1 ABSTRACT

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A stereo matching section of a stereoscopic image
processing unit evaluates a correlation of brightness between
areferencepixel block picked up from a right image and a comparison
pixel block picked up from a left image and calculates a parallax
between these two pixel blocks having the correlation. A region
control section changes over the size of these pixel blocks
according to the area in which the stereo matching is performed
so as to obtain a more accurate three-dimensional recognition.